Integrated Training Area Management

Quality Lands, Quality Soldiers

US Army Europe's IMS Solution:
The ITAM Mapper

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ITAM Conference 19-23 Aug 02

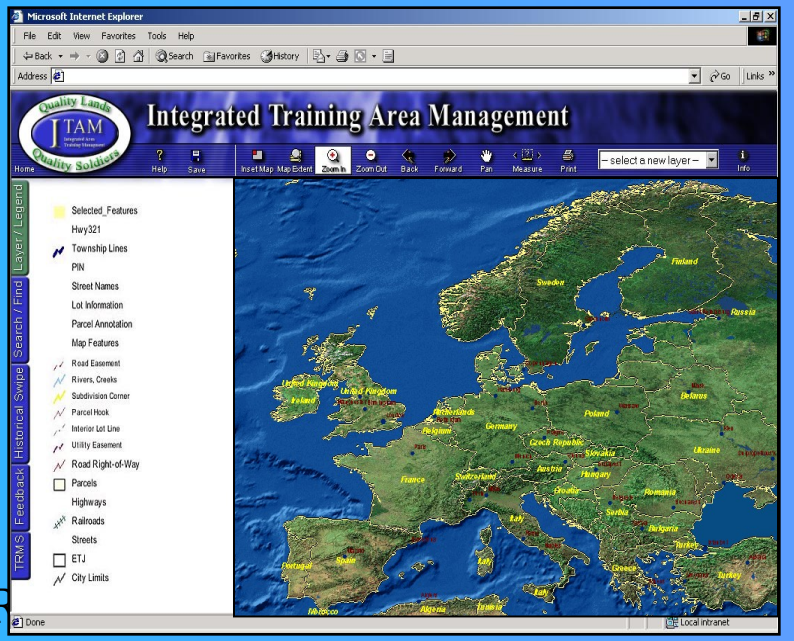
Integrated Training Area Management

ITAM Mapper

Product Objective: Provide a simple, yet effective,web based application to distribute training area spatial data.

Notes:

- Internet Map Server
- Centralized Administration at ITAM MACOM (Graf)
- ITAM Mapper is operational!



Also linked to TRMS (Training R

ITAM. 7ATC.ARMY.MIL

ArcIMS Viewer - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://itam-gis/ITAMMapper/viewer.htm
Go Links
Quality Lands
JTAM
Integrated Training Area Management
Quality Soldiers
ITAM Mapper
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Inset Map
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Zoom Out
Back
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Pan
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Measure
Cities
Info
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Layer
Legend
Trend Analysis
Metadata
TRMS
Locate Training Area
By Training Area / Range
Germany
100th_ASG
Grafenwoehr
RANGE 301
Search
Reset
By DMS Geographic Coordinate:
Latitude: N S
50 d 48 m 0 s
Longitude: W E
10 d 48 m 0 s
Search
Reset
By DD Geographic Coordinate:
Latitude: 50.79
Longitude: 10.31
Search
Reset
Finland
Sweden
Norway
Estonia
Latvia
Lithuania
Russia
Belarus
Poland
Ukraine
Slovakia
Hungary
Romania
Moldova
Bulgaria
France
Spain
Italy
Malta
Turkey
Greece
Kazakhstan
Iran
Iraq
Map created with ArcIMS - Copyright (C) 1992-2002 ESRI Inc.
0 503mi
Zoom Out
Lat/Long Coordinate: 69.35 , -9.58
Local intranet

ArcIMS Viewer - Microsoft Internet Explorer

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ITAM Mapper

Integrated Training Area Management

Quality Lands Quality Soldiers

Home Save Help Inset Map Zoom In Zoom Out Back Forward Pan Print Measure Grid Info

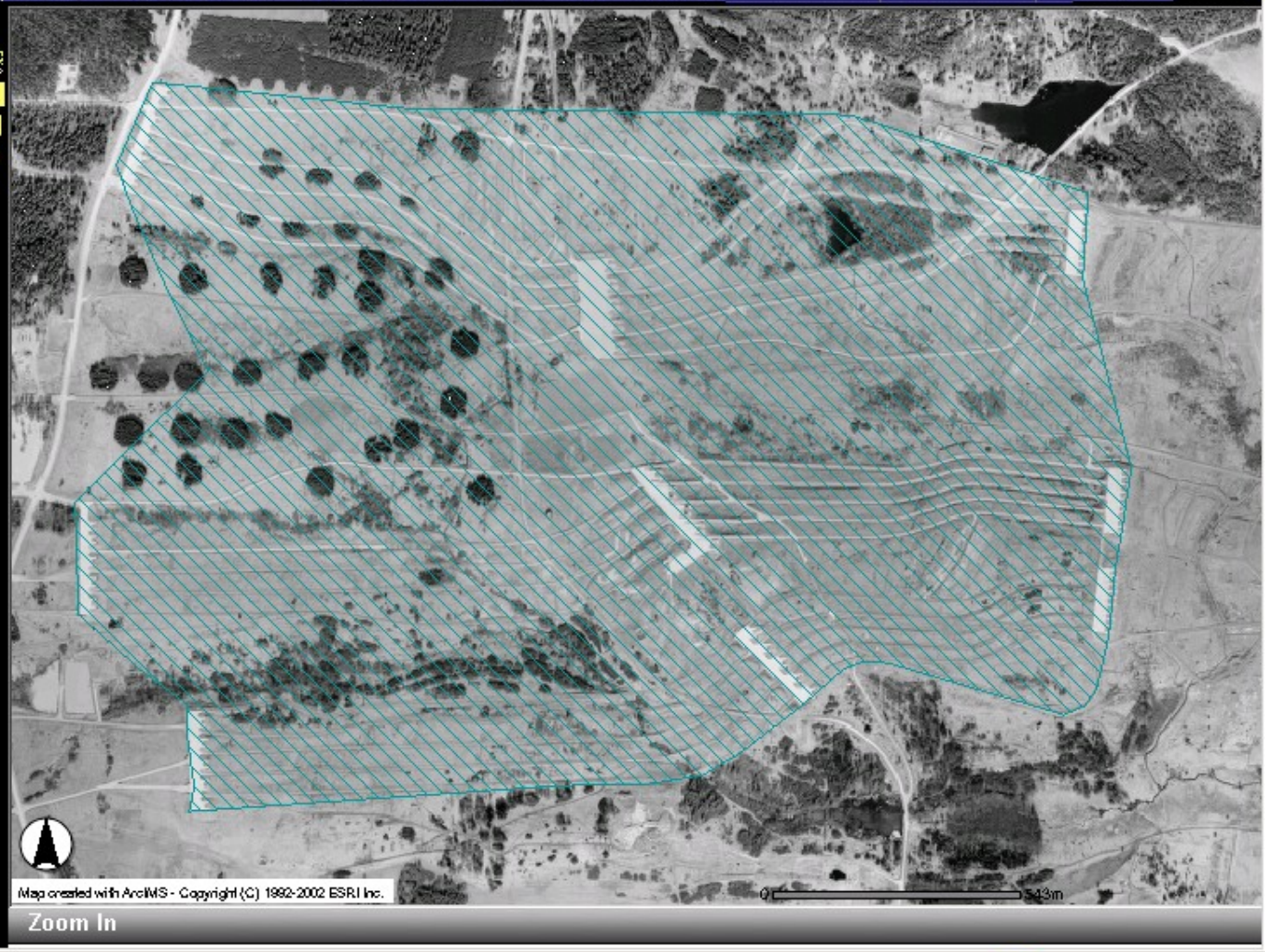
Search Layer Legend Trend Analysis Metadata TRMS

Layers

Visible

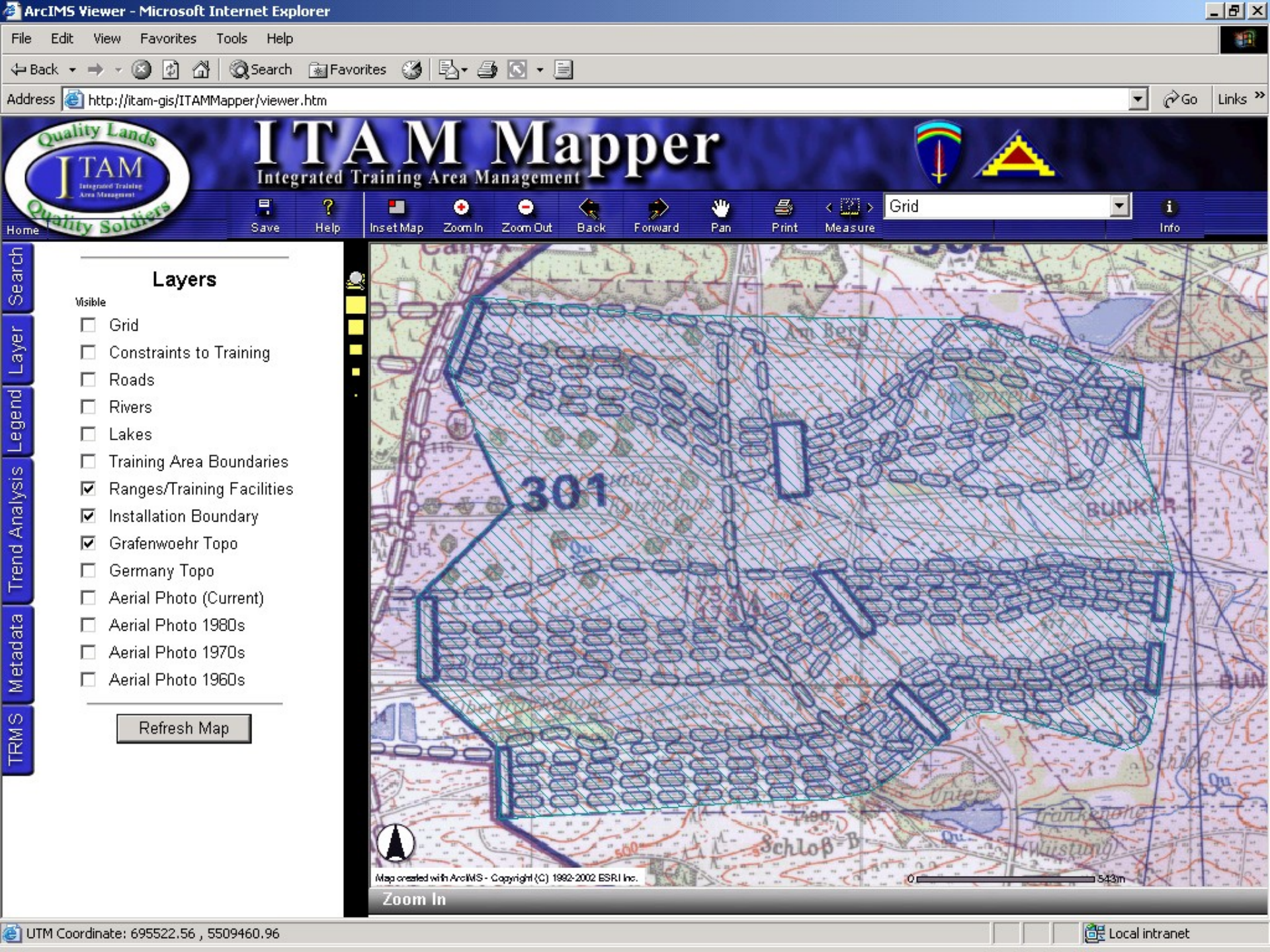
- [ ] Grid
- [ ] Constraints to Training
- [ ] Roads
- [ ] Rivers
- [ ] Lakes
- [ ] Training Area Boundaries
- [x] Ranges/Training Facilities
- [x] Installation Boundary
- [ ] Grafenwoehr Topo
- [ ] Germany Topo
- [x] Aerial Photo (Current)
- [ ] Aerial Photo 1980s
- [ ] Aerial Photo 1970s
- [ ] Aerial Photo 1960s

Refresh Map



UTM Coordinate: 695624.51 , 5510423.85

Local intranet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Aerial Photo 1980s
Aerial Photo 1970s
Aerial Photo 1960s
Refresh Map
301
Map created with ArcIMS - Copyright (C) 1992-2002 ESRI Inc.
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543m
Zoom In
UTM Coordinate: 695522.56 , 5509460.96
Local intranet

ArcIMS Viewer - Microsoft Internet Explorer

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ITAM Mapper

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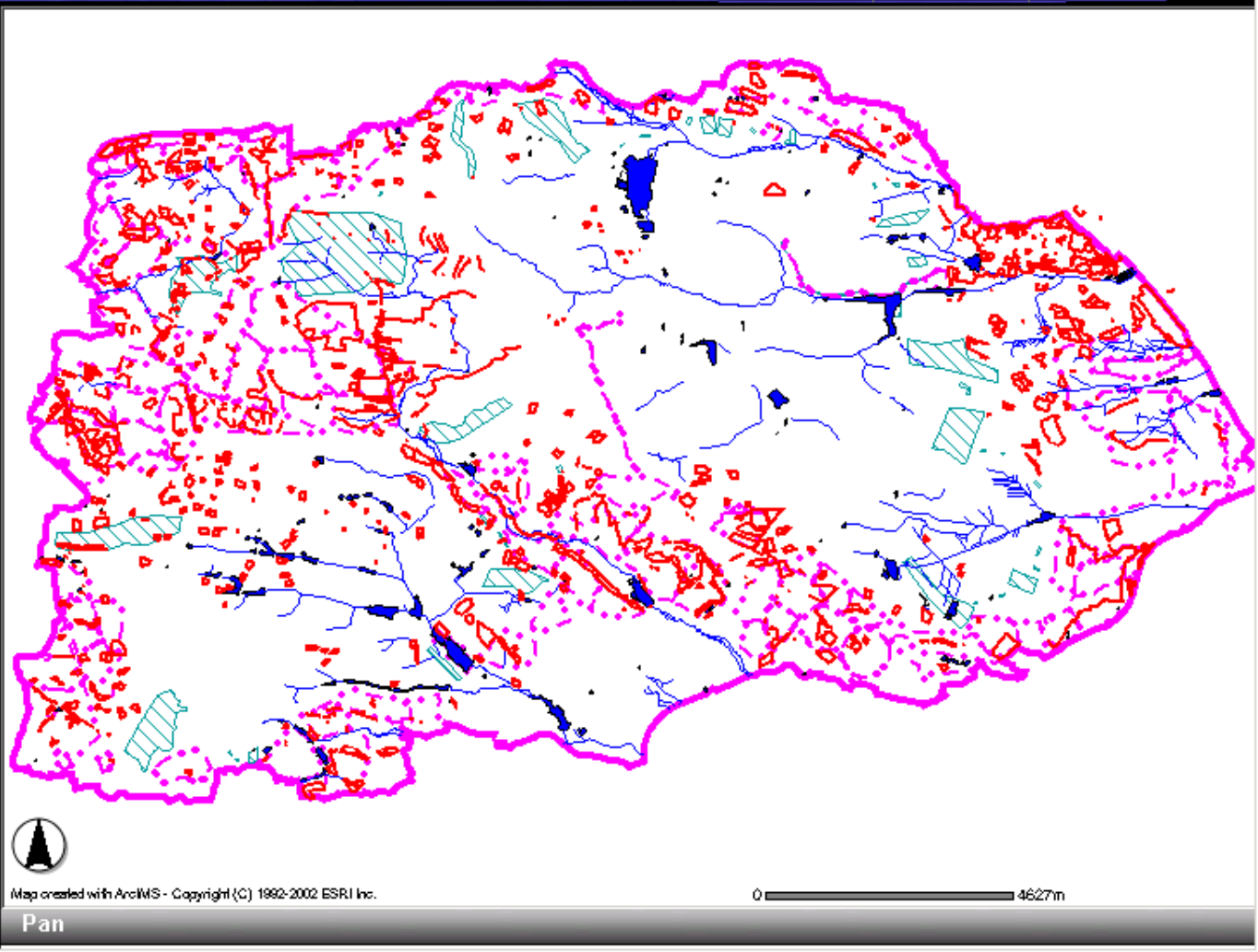
Search Layer Legend Trend Analysis Metadata TRMS

Legend

- Constraints to Training
- Rivers
- Lakes
- Training Area Boundaries
- Ranges/Training Facilities
- Installation Boundary



Pan

UTM Coordinate: 693077.77 , 5504592.7

Local intranet

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ITAM Mapper

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Search Layer Legend Trend Analysis Metadata TRMS

Trend Analysis

This tool allows you to compare historical images of various training ranges.
First, select the layer that will be on the top of the view.

Aerial Photo 1980s

Next, select the layer that will be on the bottom of the view.

Aerial Photo 1970s

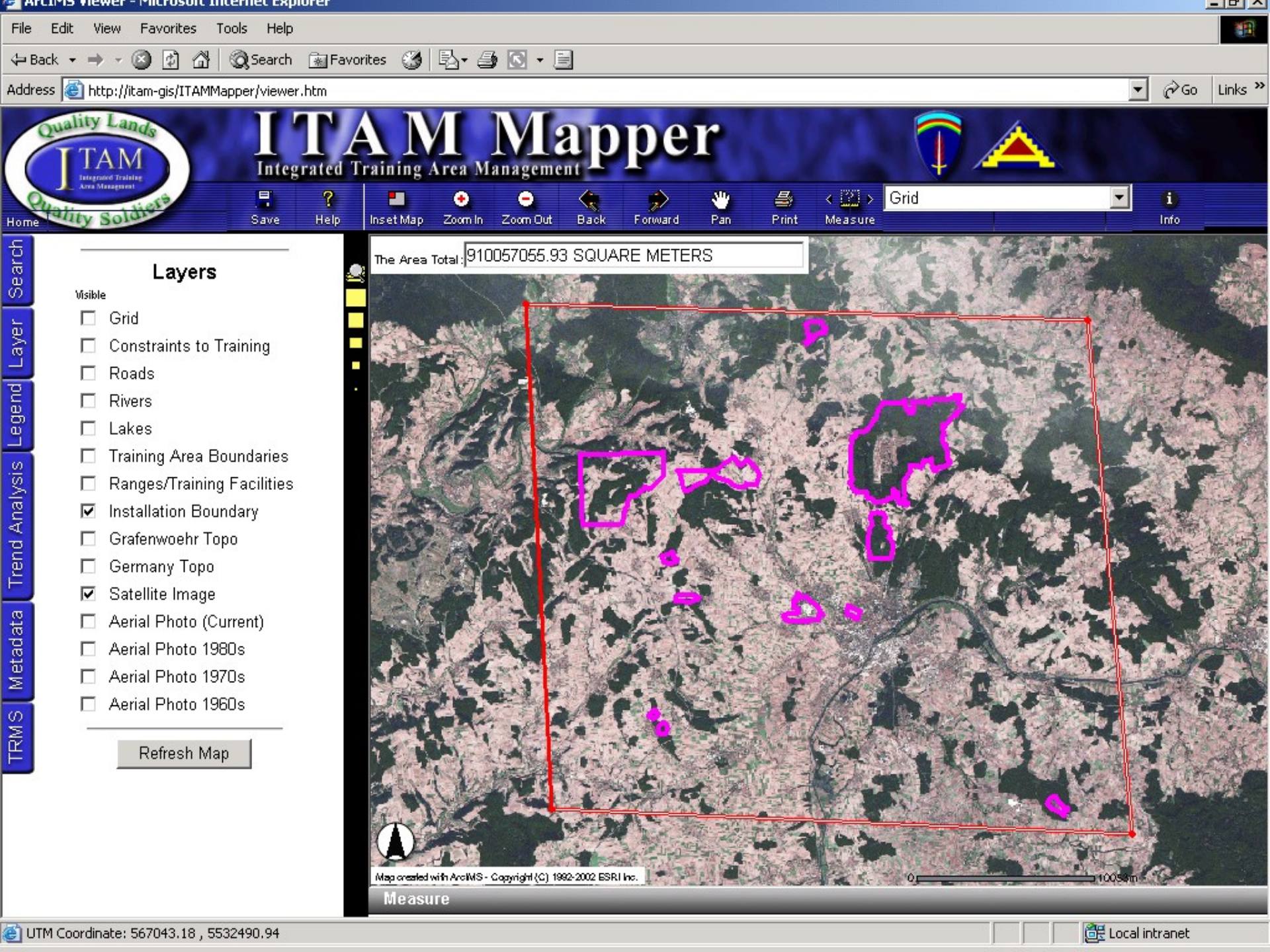
Select the Swipe Image tool.

Move your mouse over the map image (right frame) to compare top and bottom images. (click to freeze top layer).

undefined

UTM Coordinate: 697428.92 , 5509395.99

Local intranet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Germany Topo
Satellite Image
Aerial Photo (Current)
Aerial Photo 1980s
Aerial Photo 1970s
Aerial Photo 1960s
Refresh Map
The Area Total : 910057055.93 SQUARE METERS
Map created with ArcIMS - Copyright (C) 1992-2002 ESRI Inc.
Measure
UTM Coordinate: 567043.18 , 5532490.94
Local intranet

Integrated Training Area Management

Distribution

ITAM Mapper 2002

Beta Ready Summer 02

~ 40 testers for beta; Open site Fall 02

More info: **ITAM@hq.7atc.army.mil**

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475-6902

Integrated Training Area Management

"Bridging the GAP"

ITAM

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Unit 28130

APO AE 09114

ITAM GIS Tools

Field Expertise to Support:

✓ **GPS Mapping**

Powerful, rapid, and accurate data collection and maintenance

✓ **Land Assessments**

Site rehabilitation prioritization, LZ surveys, erosion assessments

✓ **Monitoring**

Integrate GIS data with short and long term LCTA plot data. Monitor natural resource trends over time

Contact ITAM

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APO AE 09114

Maximize Training…
… Minimize Restrictions

ITAM bridges the GAP

ITAM GIS, Mar 02

INFORMATION

ITAM GIS

DOMINANCE

QUALITY LANDS ITAM Integrated Training Area Management QUALITY SOLDIERS

USAREUR ITAM GIS
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ITAM GIS Vision

Simplify the presentation of training area data, thus increasing the speed and accuracy of the decision making process.

ITAM GIS Strategy

ITAM Geographic Information System can help you make better decisions:

✓ **Data Development**

I.e. roads, ranges, grids, off limits areas, hydrology, hazards, aerial imagery.

✓ **Services**

Data analysis, slope, buffers, watershed, line of sight, buffers, cross country movement.

✓ **Accessibility**

Data access tools, server administration, internet map server.

"The power of GIS is directly proportional to its accessibility."

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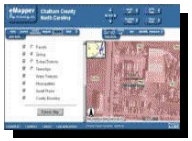
ITAM GIS Solutions



ITAM Mapper

Internet Map Server

User Level: Anybody
Functionality: View high resoluti imagery and data.

https://itam.7atc.army.mil

ITAM Viewer

User Level: Training Support
Functionality: View imagery and
data, zoom, measure, export to
MS Office and more.

email:
itam@hq.7atc.army.mil

ArcExplorer

User Level: TA Manager
Functionality: View imagery and data, zoom, measure, query, customize, access server layers, export and much more.

email:
itam@hq.7atc.army.mil